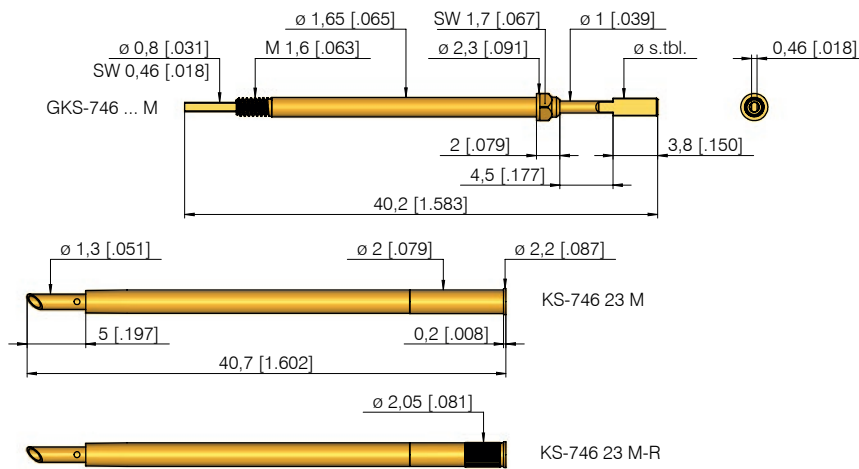


**Grid:**  
 ≥ 2,54 mm  
 ≥ 100 Mil

**Installation height with KS:** 10,5 mm (.413)  
**Recommended stroke:** 4,0 mm (.157)

### Mounting and functional dimensions

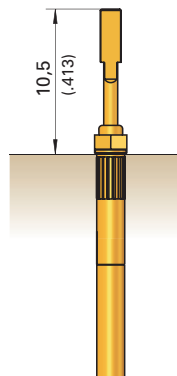


### Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
3 05		A		
3 14		A		
3 20		A		
3 20		A		
3 20		A		
3 20		A		

### Collar height and installation height

The installation height of the test probe is determined by the collar height of the receptacle.



Collar height	Installation height with KS
02	10,5 mm (.413)

### Mechanical data

**Working stroke:** 4,0 mm (.157)  
**Maximum stroke:** 4,4 mm (.173)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 3,0 N (10.8oz)

### Electrical data

**Current rating:** 5 - 8 A  
**R<sub>i</sub> typical:** < 30 mΩ

### Operating temperature

**Standard:** -40° up to +80° C

### Materials

**Plunger:** Steel or BeCu, gold-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated  
**Receptacle:** Brass, gold-plated

### Mounting hole size

**for KS-746 23 M**  
**in CEM1 and FR4:** ∅ 1,99 mm (.0783)  
**for KS-746 23 M-R**  
**in CEM1 and FR4:** ∅ 2,00 - 2,02 mm (.0787 - .0795)

### Note:

When screwing the test probe into the receptacle, the plunger is secured against rotation. The flat surface at the end of the plunger fits into the slot at the end of the receptacle.

The assembled unit is then vacuum-sealed and can therefore be used for leakage tests.

The flat surface on the plunger tip is aligned with the flat surface on the rear of the plunger.

**Recommended screw-in torque:**  
 Min.: 3 cNm / Max.: 5 cNm

### Ordering example

Series	Tip material 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Spade width (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)	Type
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Test probe:

G K S 7 4 6 3 2 0 1 5 0 0 5 0 A 1 5 0 2 M

Receptacle:

K S - 7 4 6 2 3 M

Screw-in tools:

K S - 7 4 6 2 3 M - R